COMPUTER AIDED DESIGN

1	Course Title:	COMPUTER AIDED DESIGN	
2	Course Code:	CNTS110	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr. Gör. GÜLSEREN KOÇ	
15	Course Lecturers:	Öğr. Gör. Gülseren KOÇ	
16	Contact information of the Course Coordinator:	Öğr. Gör. Gülseren KOÇ Bursa Uludağ Üniversitesi İznik Meslek Yüksekokulu İznik - BURSA gkdeney@uludag.edu.tr Tel: (0224) 2942668 hat:61835 Cep tel: 05356666697	
17	Website:		
18	Objective of the Course:	Making the 2D-3D drawing of architectural and construction project by the help of using three dimensional architectural programs, using the ready made objects, creating map section and being quantity.	
19	Contribution of the Course to Professional Development:	Will be able to explain general information about CAD and AutoCAD programs. Can define the system needs of CAD programs and hardware.	
20	Learning Outcomes:		
		1	Set-up the architectural CAD programs
		2	Set-up the 3D CAD (ArchiCAD) programs
		3	Creating objects and flor plannig with using ArchiCAD commands.
		4	Creating cross-sectional, side view and to create detail views n the Archicad program
		5	Dimensioning to flor planning with Archicad programs.
		6	Adding ready-made shapes on the architectural and constructional images in Archicad program.
		7	Three-dimensional view drawings from the ArchiCAD program.
		8	Create visual appearances in ArchiCAD program.
		9	Creating map sectioning and print out from Archicad program.
		10	Make the calculations of area, volume and quantity in ArchiCAD programs.
21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	

1	Introduction and use of ArchiCAD architectural design program.	Basic Archicad applications.
2	Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD.	Design of basic building with AchiCAD commands.
3	Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD.	Design of basic building with AchiCAD commands.
4	Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace.	Design of basic building with AchiCAD commands.
5	Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace.	Design of basic building with AchiCAD commands.
6	Drawing basic design in Archicad program, creating roof and roof window, generating terrain	Design of basic building with AchiCAD commands.
7	Stairwell, stair making in Archicad program.	Design of basic building with AchiCAD commands.
8	MIDTERM	
9	Desig extras for Archicad program (jamb, balustrade etc.)	Design to basic building with Archicad commands.
10	Floor plans, sections, facades and details the creation and measurement of appearance	Floor plans, building and scaling-sectional-view-detail
11	Map Section editing	Regularization of quantity with flor planning.
12	Qantity applications	Finding building quantity with CAD program.
13	Desing of steel construction building in Archicad program.	Desing of basic steel construction bulding.
14	Desing of steel construction building in Archicad program.	Desing of basic steel construction bulding.

22	Textbooks, References and/or Other Materials:	ARCHİCAD 9-SALİH OFLUOĞLU ARCHICAD 11
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	20.00
Quiz	0	0.00
Home work-project	1	20.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		20% midterm exam, 20% homework (in-class work) 60% final

24	**ECTS / WORK LOAD TABLE**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	13	2.00	26.00
Homeworks	1	8.00	8.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			140.00
Total work load/ 30 hr			4.17
ECTS Credit of the Course			4.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	5	2	1	4	1	2	2	3	3	2	2	3	3	2	3	5
ÖK2	2	3	4	4	4	5	5	5	5	3	3	4	3	3	3	2
ÖK3	2	3	2	4	3	3	3	2	2	3	3	2	3	2	3	3
ÖK4	3	2	3	3	4	2	2	2	2	2	4	3	2	2	2	2
ÖK5	2	2	5	5	4	2	2	3	3	3	4	2	2	3	2	2
ÖK6	2	2	1	5	5	3	2	3	3	2	5	2	2	2	2	3
ÖK7	2	3	2	2	1	3	2	3	1	3	3	2	3	3	3	2
ÖK8	2	3	2	3	2	5	2	3	3	3	3	3	2	3	3	2
ÖK9	2	1	3	4	3	1	3	5	3	2	4	2	2	3	3	2
ÖK10	2	3	1	5	2	3	3	2	2	5	3	2	3	2	2	1
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**		**3 Medium**		**4 High**			**5 Very High**						